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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

International Application:	PCT/US2003/031771
International Filing Date:	October 6, 2003
First Named Inventor:	Howarth
Attorney Docket:	HOW1.005-US

MAIL STOP PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22213-1450

**STATEMENT ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicant submits Information Disclosure Citation Listings for the purpose of having the cited references printed on the first page of the United States patent which we expect to eventuate from the present application. A list of the patent(s) and/or publication(s) is set forth on the attached Forms PTO-1449. Several of the references listed thereon have already been disclosed to the United States Patent Office, being cited in the International Search Report issued on October 8, 2004, for International Patent Application PCT/US2003/031771. Applicant believes that the Examiner possesses the report and copies of the individual references listed thereon. Accordingly, applicant has *not* enclosed copies of the individual references. Applicant has enclosed copies of two nonpatent literature references *not* cited in the aforementioned Search Report.

Applicant believes that no fee is required for submission of this IDS.

Inclusion of a reference in these listings is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such, nor that any cited reference discloses anything other than what is shown and stated therein.

The filing of these Information Disclosure Citation Listings shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists.

*Statement Accompanying Information Disclosure Citation Listing  
National Filing of PCT/US2003/031771*

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The filing of these Information Disclosure Citation Listings shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b).

This statement is made by the attorney who signs below on the basis of information supplied by the inventors and information in the attorney's file.

**ACCOMPANYING THIS STATEMENT ARE:**

- \* Form PTO-1449 comprising 3 page(s) listing 10 citations

Respectfully submitted,

/Gerry Jay Elman/

Date: April 6, 2005

Gerry J. Elman, Reg. No., 24,404  
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Elman Technology Law, P.C.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICATION</b> <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				International Appl Number	PCT/US2003/03177/
				First Named Inventor	HOWARTH
				Art Unit/Examiner Name	NA
				Confirmation No.	NA
Sheet	2	Of	2	Attorney Docket Number	HOW1.005-US

NONPATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published	
	1	BOR-SEN CHEN, TSANG-YI YANG, BIN-HONG Lin; Adaptive notch filter by direct frequency estimation; Signal Processing 27; 1992; pps 161-176; Elsevier Science Publishers; B.V.	
	2	PATRICK J. WOLFE, SIMON J. GODSILL; Audio Engineering Society Convention Paper 5829; March 22-25, 2003; Amsterdam, The Netherlands	
	3		
	4		
	5		
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Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO

Completed

**Information Disclosure Statement by Applicant**

(Use as many sheets as necessary)

International Application Number

PCT/US2003/031771

International Filing Date

October 6, 2003

First Named Inventor

HOWARTH

Examiner/Art Unit

NA

Sheet 1 of 2

Attorney Docket No.

HOW1.005-US

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	DOCUMENT NUMBER		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code			
	1	US-	3,832,045	08-27-1974	Wilson et al.
	2	US-	4,535,368	08-13-1985	Schwartz et al.
	3	US-	5,107,377	04-21-1992	Ballard
	4	US-	5,218,486	06-08-1993	Wilkinson
	5	US-	5,644,307	07-01-1997	Fukuda
	6	US-	5,708,723	01-13-1998	Nishino
	7	US-	5,748,397	05-05-1998	Yamada
	8	US-	6,487,028 B1	11-26-2002	Sri-Jayantha et al.
	9	US-			
	10	US-			
	11	US-			
	12	US-			
	13	US-			
	14	US-			
	15	US-			
	16	US-			
	17	US-			
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